Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) ~~Display~~ A display device ~~(6)~~ comprising:

[[-]] a display ~~(2)~~ with a plurality of light emitting elements ~~(3)~~, and data lines ~~(13)~~ for providing pulse width modulation ~~(PWM)~~ signals to the light emitting elements ~~(3)~~; and

[[-]] means ~~(10,8)~~ coupled to the data lines ~~(13)~~ for generating, during time intervals ~~(SF)~~ of a frame period, at least a first non-zero emission level ~~(L(V1;C1; I1))~~ of a light emitting element ~~(3)~~ during a first one of the time intervals ~~(SF)~~ and a second non-zero emission level ~~(L(V2; C2; I2))~~ during a second one of the time intervals ~~(SF)~~, wherein the generating means generates the first and second time intervals in an order that reduces dead times between the time intervals.

2. (Currently amended) ~~Display~~ The display device ~~(6)~~ according to claim 1, wherein the display ~~(2)~~ further comprises selection lines ~~(12)~~, each selection line ~~(12)~~ being coupled to a part of the

plurality of light emitting elements ~~(3)~~, the generating means ~~(10,8)~~ being further coupled to the selection lines ~~(12)~~ for applying a multiline addressing scheme to the data line ~~(13)~~ and the selection lines ~~(12)~~.

3.   (Currently amended) ~~Display~~ The display device ~~(6)~~ according to claim 1, wherein the generating means ~~(10, 8)~~ are adapted to generate time intervals ~~(SF)~~ of a substantially binary weighted duration ~~in any order~~ wherein each of the time intervals is assigned the substantially binary weighted duration regardless of emission levels during each of the time intervals.

4.   (Currently amended) ~~Display~~ The display device ~~(6)~~ according to claim 1, wherein the generating means ~~(10, 8)~~ are adapted to generate ~~the first (L(V1;C1; I1)) and second emission level (L(V2; C2; I2)) via the data lines (13) in a sequential mode~~ time intervals of a substantially binary weighted duration regardless of an ordering of the time intervals.

5.   (Currently amended) ~~Display~~ The display device ~~(6)~~ according to claim 1, wherein the generating means ~~(10, 8)~~ are adapted to

generate the first ~~(L(V1,C1, I1))~~ and second emission level ~~(L(V2, C2, I2))~~ via the data lines ~~(13)~~ in an intermixed mode.

6.   (Currently amended) ~~Display~~ The display device ~~(6)~~ according to claim 3, wherein the generating means ~~(10, 8)~~ comprise a control unit ~~(10)~~, and a data driver ~~(8)~~ comprising a first current source ~~(I1)~~ for generating the first emission level ~~(L(I1))~~ and a second current source ~~(I2)~~ for generating the second emission level ~~(L(I2))~~.

7.   (Currently amended) ~~Display~~ The display device ~~(6)~~ according to claim 5, wherein the generating means ~~(10, 8)~~ are adapted to pre-charge the data lines ~~(13)~~ before coupling one of the current sources ~~(I1, I2)~~ to one of the data lines ~~(13)~~.

8.   (Currently amended) ~~Display~~ The display device ~~(6)~~ according to claim 1, further comprising a power line ~~(14)~~ for coupling a first supply voltage ~~(V1)~~ to the plurality of light emitting elements ~~(3)~~ for generating the first emission level ~~(L(V1))~~ and a second supply voltage ~~(V2)~~ for generating the second emission level ~~(L(V2))~~, respectively.

9.   (Currently amended) ~~Display~~ The display device ~~(6)~~ according to claim 1, wherein the generating means ~~(10, 8)~~ are adapted to generate the second emission level ~~(L(V2; C2; I2))~~ at a level substantially equal to the first emission level ~~(L(V1;C1; I1))~~ multiplied by a number of selectable combinations of time intervals ~~(SF)~~.

10.   (Currently amended) Electric device ~~(1)~~ comprising a display device ~~(6)~~ according to claim 1.

11.   (Currently amended) ~~Method~~A method for driving a display device ~~(6)~~ comprising a display ~~(2)~~ with a plurality of light emitting elements ~~(3)~~ and data lines ~~(13)~~ coupled to the light emitting elements ~~(3)~~, the method comprising the steps of:

[[-]]   providing pulse width modulation ~~(PWM)~~ signals to the data lines ~~(13)~~; and

[[-]]   generating in synchronization with the pulse width modulation ~~(PWM)~~ signals, during time intervals ~~(SF)~~ of a frame period, at least a first non-zero emission level ~~(L(V1;C1; I1))~~ of a light emitting element ~~(3)~~ during a first one of the time

intervals ~~(SF)~~ and a second non-zero emission level ~~(L(V2; C2; I2))~~ during a second one of the time intervals, ~~(SF)~~ wherein the first and second time intervals are generated in an order that reduces dead times between the time intervals.

12. (New)   A display device comprising:

a display with a plurality of light emitting elements, and data lines for providing pulse width modulation signals to the light emitting elements; and

a controller configured to generate, during time intervals of a frame period, at least a first non-zero emission level of a light emitting element during a first one of the time intervals and a second non-zero emission level during a second one of the time intervals, wherein the controller is configured to generate the time intervals in an order that reduces dead times between the time intervals.

13. (New)   The display device according to claim 12, wherein the controller is configured to generate time intervals of a substantially binary weighted duration, wherein each of the time

intervals is assigned the substantially binary weighted duration regardless of emission levels during each of the time intervals.

14.   (New)   The display device according to claim 12, wherein the controller is configured to generate time intervals of a substantially binary weighted duration regardless of an ordering of the time intervals.